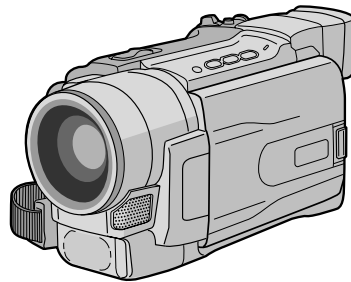


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVL365EG/EK, DVL367EG/EK, DVL567EG



Mini DV PAL
DSC
DIGITAL
STILL CAMERA

Regarding service information other than these sections, refer to the GR-DVL167EG service manual (No. 86662). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVL160,167,365,367,567,765,767,865,867)*

Camcorder

General

Power supply	: DC 11.0 V (Using AC Adapter) DC 7.2 V (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.5 W (GR-DVL867/DVL865/DVL767/DVL765) Approx. 4.3 W (GR-DVL567/DVL367/DVL365/DVL167/DVL160)
LCD monitor on, viewfinder off	: Approx. 5.7 W (GR-DVL867/DVL865/DVL767/DVL765) Approx. 5.3 W (GR-DVL567/DVL367/DVL365/DVL167/DVL160) Approx. 2.8 W (GR-DVL867/DVL865/DVL767/DVL765) Approx. 3.5 W (GR-DVL567/DVL367/DVL365/DVL167/DVL160)
Video light	: Approx. 2.8 W (GR-DVL867/DVL865/DVL767/DVL765) Approx. 3.5 W (GR-DVL567/DVL367/DVL365/DVL167/DVL160)
Dimensions (W x H x D)	: 79 mm x 89 mm x 184 mm (GR-DVL867/DVL865/DVL767/DVL765) 79 mm x 89 mm x 167 mm (GR-DVL567/DVL367/DVL365/DVL167/DVL160) (with the LCD monitor closed and the viewfinder pushed down)
Weight	: Approx. 580 g (GR-DVL867/DVL865) Approx. 570 g (GR-DVL767/DVL765/DVL567) Approx. 560 g (GR-DVL367/DVL365) Approx. 550 g (GR-DVL167/DVL160)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C
Pickup	: 1/3.8" CCD (GR-DVL867/DVL865/DVL767/DVL765) 1/4" CCD (GR-DVL567/DVL367/DVL365/DVL167/DVL160)
Lens	: F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (GR-DVL867/DVL865/DVL767/DVL765) F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens (GR-DVL567/DVL367/DVL365/DVL167/DVL160)
Filter diameter	: ϕ 37 mm
LCD monitor	: 3.5" diagonally measured, LCD panel/TFT active matrix system (GR-DVL867/DVL865/DVL567) 2.5" diagonally measured, LCD panel/TFT active matrix system (GR-DVL767/DVL765/DVL367/DVL365/DVL167/DVL160)
Viewfinder	: Electronic viewfinder with 0.24" black/white LCD
Speaker	: Monaural

Digital Video Camera

Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

Digital Still Camera Function (GR-DVL867/DVL865/DVL767/DVL765/DVL567/DVL367/DVL365 only)

Storage media	: SD Memory Card/MultiMediaCard
Compression system	: Still image: JPEG (compatible) Moving image: MPEG4 (compatible)
File size	: 3 modes (1280 X 960 pixels*, 1024 x 768 pixels, 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images	: pg. 27.

* GR-DVL867/DVL865/DVL767/DVL765 only.

Connectors

S-Video Output	: Y:1 V (p-p), 75 Ω , analogue C:0.29 V (p-p), 75 Ω , analogue
AV Video output Audio output	: 1 V (p-p), 75 Ω , analogue 300 mV (rms), 1 k Ω , analogue, stereo
DV Output Input (GR-DVL867/DVL767/ DVL567/DVL367/DVL167 only)	: 4-pin, IEEE 1394 compliant 4-pin, IEEE 1394 compliant
USB (GR-DVL867/DVL865/ DVL767/DVL765/DVL567/ DVL367/DVL365 only)	: 5-pin
PC (GR-DVL167/DVL160 only)	: ϕ 2.5 mm, 3-pole
EDIT (GR-DVL867/DVL865/ DVL767/DVL765/DVL567/ DVL367/DVL365 only)	: ϕ 3.5 mm, 2-pole
JLIP (GR-DVL167/DVL160 only)	: ϕ 3.5 mm, 4-pole

AC Adapter

Power requirement	: AC 110 V to 240 V \sim , 50 Hz/60 Hz
Output	: DC 11 V , 1 A

Specifications shown are for SP mode unless otherwise indicated.
E & O. E. Design and specifications subject to change without notice.

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The following table indicate main different points between models GR-DVL167EG-X, GR-DVL365EG-X, GR-DVL365EG-Y, GR-DVL365EK, GR-DVL367EG-X, GR-DVL367EK and GR-DVL567EG-X.

ITEM \ MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
LCD MONITOR	2.5"	←	←	←	←	←	3.5"
MEMORY CARD	Not Used	Provided,8MB(MMC)	←	←	←	←	←
DV TERMINAL	IN/OUT	OUTPUT ONLY	←	IN/OUT	←	←	←
DSC	Not Used	Used	←	←	←	←	←

The following table indicate different parts number between models GR-DVL167EG-X, GR-DVL365EG-X, GR-DVL365EG-Y, GR-DVL365EK, GR-DVL367EG-X, GR-DVL367EK and GR-DVL567EG-X.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

REF. No.	ITEM \ MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
1	PACKING CASE	LY32567-001B	LY32567-006B	←	←	←	←	LY32567-003A
4	POLY BAG	QPA02003506	←	←	YQM30061-3	QPA02003506	YQM30061-3	QPA02003506
8	Q.CARD(JUK)	←	←	←	LYT0194-001B	←	LYT0194-001B	←
9	WARRANTY CARD	BT-54013-2	←	←	←	BT-54013-2	←	BT-54013-2
10	GUARANTY CARD	←	←	←	BT-54008-2	←	BT-54008-2	←
11	PAMPHLET(EK)	←	←	←	LYT0867-001A	←	LYT0867-001A	←
12	SHEET(ATT.)	LYT0974-001A	←	←	←	←	←	←
13	SHEET(E.UE)	←	←	LYT0889-010A	←	←	←	←
18	CABLE ASSY	←	PEAC0428-150	←	←	←	←	←
19	CORE FILTER	←	QQR0491-002	←	←	←	←	←
20	USB CABLE	←	QAM0324-001	←	←	←	←	←
21	CORE FILTER	←	QQR0491-002	←	←	←	←	←
22	PC CONNECTION CABLE	QAM0084-001	←	←	←	←	←	←
23	CORE FILTER	QQR0491-002	←	←	←	←	←	←
25	CORE FILTER	QQR0490-002	QQR0917-002	←	←	←	←	←
△26	POWER CORD	QMPL120-190-JR	←	←	QMPP110-190-JR	QMPL120-190-JR	QMPP110-190-JR	QMPL120-190-JR
27	RM(EDITING)CABLE	QAM0214-001	←	←	←	←	←	←
28	CORE FILTER	QQR0491-002	←	←	←	←	←	←
34	CD ROM ASSY	LY32210-022A	LY32210-023A	←	←	←	←	←
37	MEMORY CARD	←	QAM0404-002	←	←	←	←	←
41	STICKER(EK)	←	←	←	LY43496-001A	←	LY43496-001A	←
42	CORE FILTER	←	QQR0919-002	←	←	←	←	←
43	CORE FILTER	←	*QQR0491-002	←	←	←	←	←

Notes : Mark ← is same as left.
 Mark — is not used.
 Mark * reference model was also changed.

FINAL ASSEMBLY <M2>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
101	UPPER CASE ASSY		LY20774-001B	LY20774-005B	←	←	←	←	LY20797-004B
101A	TOP COVER		LY20775-001A	←	←	←	←	←	LY20776-001A
101B	PLATE(UPPER)		LY32371-002A	LY32371-003A	←	←	←	←	←
101E	COVER(SD)		—	LY32375-001A	←	←	←	←	←
101F	SHAFT		—	LY43292-001A	←	←	←	←	←
101G	SPRING		—	LY43293-001A	←	←	←	←	←
101J	EARTH SHEET		LY43540-001A	←	←	←	←	←	LY43541-001A
101M	SPECIAL SCREW,X2		LY30018-084A	←	←	←	←	←	LY30018-038A
101N	COVER(SD)DUMMY		LY32376-001A	—	—	—	—	—	—
101P	SPECIAL SCREW		LY30018-023A	—	—	—	—	—	—
108	KNOB(SLIDE)		—	LY43263-002A	←	←	←	←	←
113	FFC WIRE		—	QUQ105-1011AA	←	←	←	←	←
119	WINDOW		LY32378-009A	←	←	←	←	←	LY32379-005A
120	STICKER(SIDE)		LY43566-002A	LY43566-005A	←	←	LY43566-003A	←	←
126	STICKER(TOP)		LY43567-001A	LY43567-003A	←	←	←	←	←
140	LOWER CASE ASSY		LY20769-002B	LY20769-004C	←	←	←	←	←
164	SPECIAL SCREW		—	LY30019-038A	←	←	←	←	←

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
321	CASE B(VF)		LY20767-001A	*LY20767-001B	←	←	←	←	←
323	LEVER(VF)		LY43231-001A	*LY43231-001B	←	←	←	←	←
324	LENS ASSY		LY32472-001A	*LY32472-002A	←	←	←	←	←

MONITOR ASSEMBLY <M5>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
500	MONITOR ASSY		LYH20246-036A	LYH20246-040A	←	←	←	←	LYH20246-037B
501	MONITOR COVER ASSY		LY20808-001A	LY20808-002A	←	←	←	←	LY20809-002A
502	MONITOR CASE		LY10264-001A	←	←	←	←	←	LY20598-002A
502A	EARTH MON(2)		—	—	—	—	—	—	LY42388-001A
504	HOLDER		LY20674-001A	←	←	←	←	←	LY20568-001A
506	BACK LIGHT		QLL0093-001	←	←	←	←	←	QLL0115-001
507	LCD MODULE		QLD0154-001	←	←	←	←	←	QLD0203-001

MAIN BOARD ASSEMBLY <01>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	MAIN BOARD ASSY		YB10359PA-03	YB10359QD-03	←	←	YB10359PB-03	←	←

MONITOR BOARD ASSEMBLY <02>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	MONITOR BOARD ASSY		YB10360PB-02	YB10360PG-02	←	←	←	←	YB10360PD-02
D11	SI DIODE		—	RSA6.1J4-W	←	←	←	←	←
R7	MG RESISTOR		—	NRSA63J-103X	←	←	←	←	←
R8	MG RESISTOR		—	NRSA63J-152X	←	←	←	←	←
R9	MG RESISTOR		—	NRSA63J-182X	←	←	←	←	←
R10	MG RESISTOR		—	NRSA63J-272X	←	←	←	←	←
R18	MG RESISTOR		—	NRSA63J-473X	←	←	←	←	←
R19	MG RESISTOR		—	NRSA63J-103X	←	←	←	←	←
R21	MG RESISTOR		—	NRSA63J-103X	←	←	←	←	←
R22	MG RESISTOR		—	NRSA63J-473X	←	←	←	←	←
R23	MG RESISTOR		—	NRSA63J-104X	←	←	←	←	←
R7612	CMF RESISTOR		NRVA63D-223X	←	←	←	←	←	NRVA63D-682X
R7624	CMF RESISTOR		—	—	—	—	—	—	NRVA63D-223X
R7625	CMF RESISTOR		—	—	—	—	—	—	NRVA63D-223X
C11	T CAPACITOR		—	NBE20JM-106X	←	←	←	←	←
C7636	CAPACITOR		—	—	—	—	—	—	NCF31CZ-104X
L10	FERRITE BEAD		—	NQR0129-002X	←	←	←	←	←
L7605	COIL		NQL365K-100X	←	←	←	←	←	—
L7606	COIL		—	—	—	—	—	—	NQL365K-100X
SW6	SLIDE SWITCH		—	NSW0099-001X	←	←	←	←	←
SW7	TACT SWITCH		—	NSW0160-001X	←	←	←	←	←
SW8	TACT SWITCH		—	NSW0160-001X	←	←	←	←	←
SW9	TACT SWITCH		—	NSW0160-001X	←	←	←	←	←
SW10	TACT SWITCH		—	NSW0160-001X	←	←	←	←	←
CN762	FPC CONNECTOR		—	QGF0508F1-10	←	←	←	←	←
CN766	SD CARD CONNECTOR		—	NNZ0058-001X	←	←	←	←	←

Notes : Mark ← is same as left.
 Mark — is not used.
 Mark * reference model was also changed.

CCD BOARD ASSEMBLY <04>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	CCD BOARD ASSY		YB20914A-01	YB20914E	←	←	←	←	←
Q5202	TRANSISTOR		—	2SC4081/RS/-X	←	←	←	←	←
R5202	MG RESISTOR		NRSA63J-0R0X	—	—	—	—	—	—
R5205	MG RESISTOR		—	NRSA63J-472X	←	←	←	←	←
WR1	E-SI C WIRE C-F		WJM0290-001A	WJM0296-001A	←	←	←	←	←

JACK BOARD ASSEMBLY <06>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	JACK BOARD ASSY		YB10357A-01	YB10357B-01	←	←	←	←	←
R515	MG RESISTOR/FERRITE BEAD		NRSA63J-0R0X	NQR0022-005X	←	←	←	←	←
R520	MG RESISTOR		—	NRSA63J-0R0X	←	←	←	←	←
R521	MG RESISTOR		—	NRSA63J-0R0X	←	←	←	←	←
L504	FERRITE BEAD		—	NQR0251-004X	←	←	←	←	←
L505	FERRITE BEAD		—	NQR0251-004X	←	←	←	←	←
L506	FERRITE BEAD		—	NQR0251-004X	←	←	←	←	←
J502	3.5 JACK		—	QNS0005-001	←	←	←	←	←

REAR BOARD ASSEMBLY <07>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	REAR BOARD ASSY		YB10362A-01	YB10362B-01	←	←	←	←	←
D551	ZENER DIODE		EMZ6.8N	—	—	—	—	—	—
D552	ZENER DIODE		EMZ6.8N	—	—	—	—	—	—
R555	MG RESISTOR		NRSA63J-331X	—	—	—	—	—	—
R556	MG RESISTOR		NRSA63J-331X	—	—	—	—	—	—
R557	MG RESISTOR		—	NRSA63J-0R0X	←	←	←	←	←
R558	MG RESISTOR		—	NRSA63J-0R0X	←	←	←	←	←
R559	MG RESISTOR		—	NRSA63J-0R0X	←	←	←	←	←
J552	2.5 JACK		QNS0152-001	—	—	—	—	—	—
J553	USB CONNECTOR		—	QNZ0497-001	←	←	←	←	←

DSC BOARD ASSEMBLY <10>

△ REF. No.	ITEM	MODEL	GR-DVL167EG-X	GR-DVL365EG-X	GR-DVL365EG-Y	GR-DVL365EK	GR-DVL367EG-X	GR-DVL367EK	GR-DVL567EG-X
PW	DSC BOARD ASSY		—	YB20915C-03	←	←	←	←	←

Notes : Mark ← is same as left.

Mark — is not used.



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VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

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